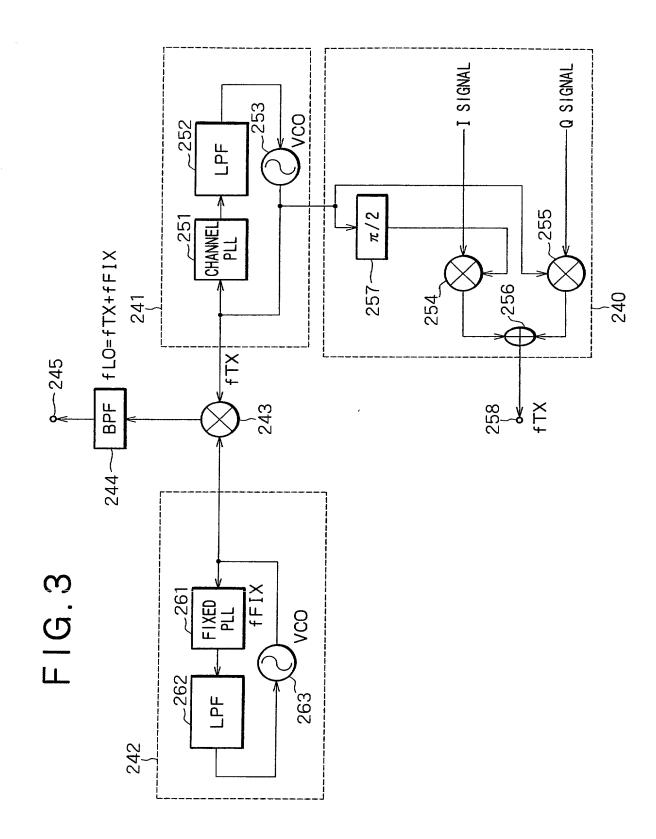


-0 SIGNAL 000 -226 LPF FREQUENCY DR I VER _225 .230 FIXED 205 204 229 F1G.2 -234 235 LPF 224 LPF 236 233 CHANNEL PLL 000 8 232 LPF 206 209 237



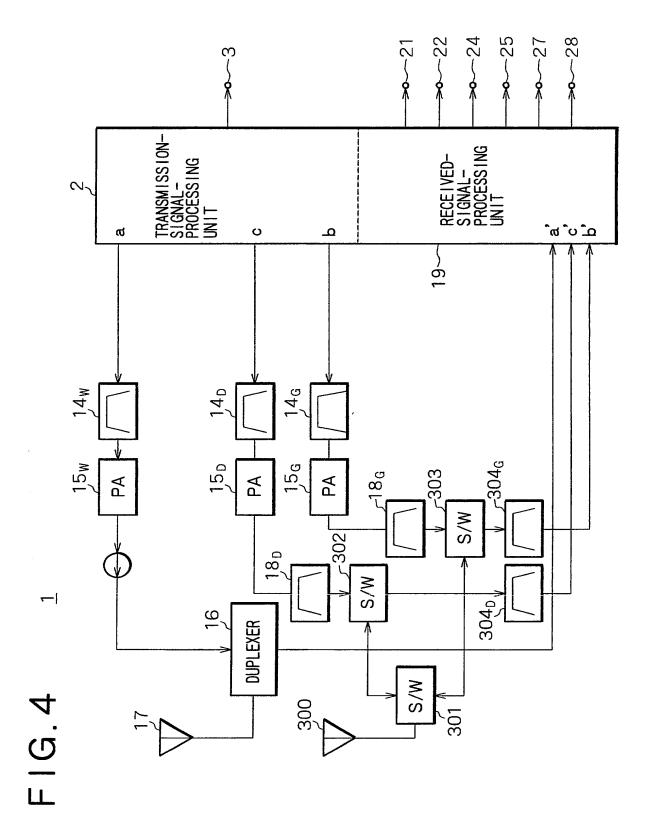
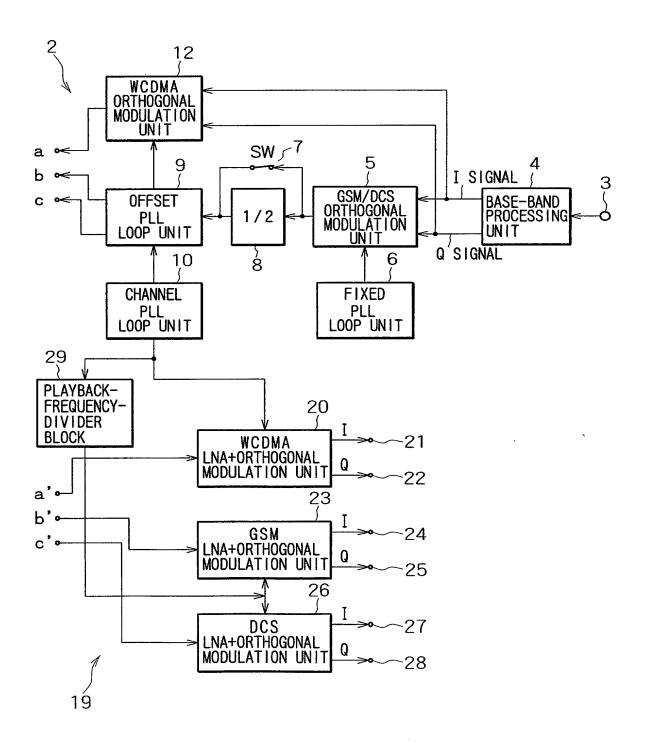


FIG.5



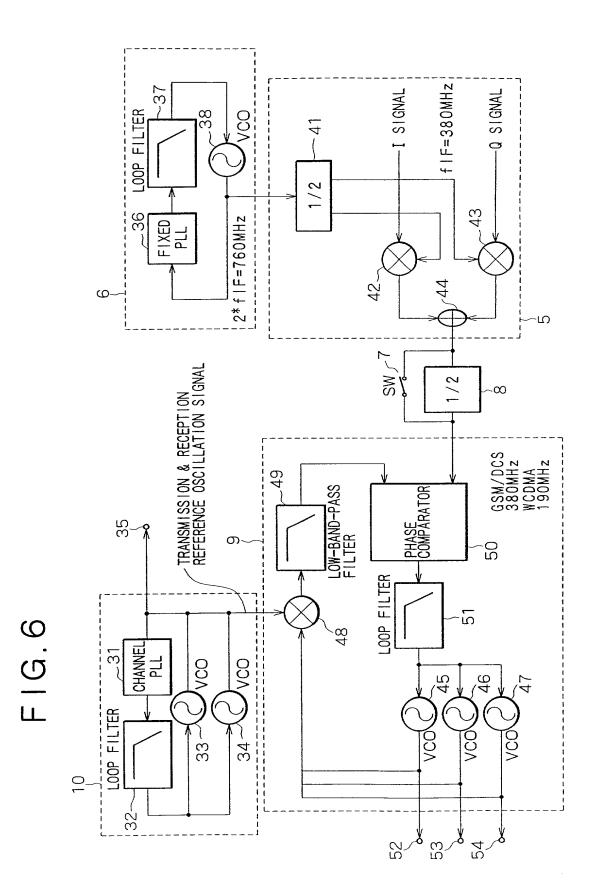


FIG.7A

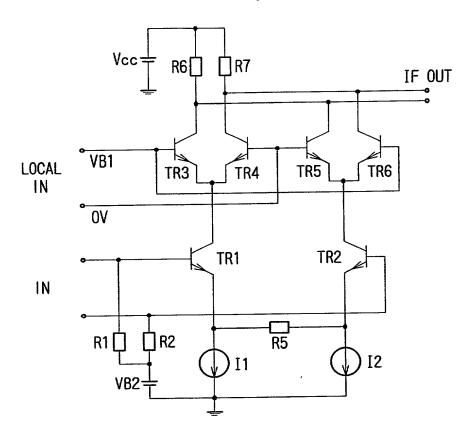


FIG.7B

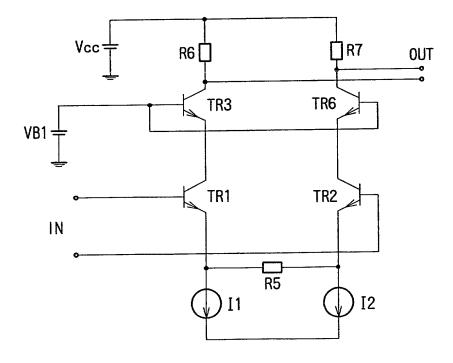


FIG.8

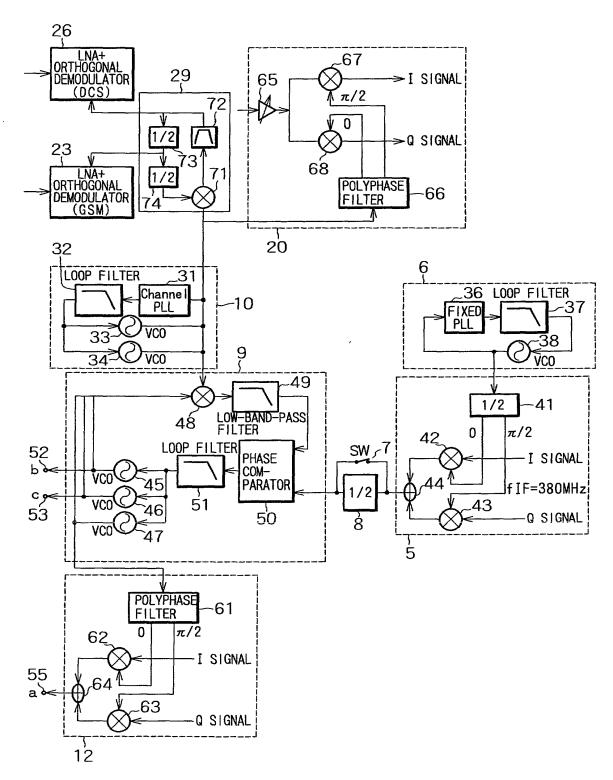
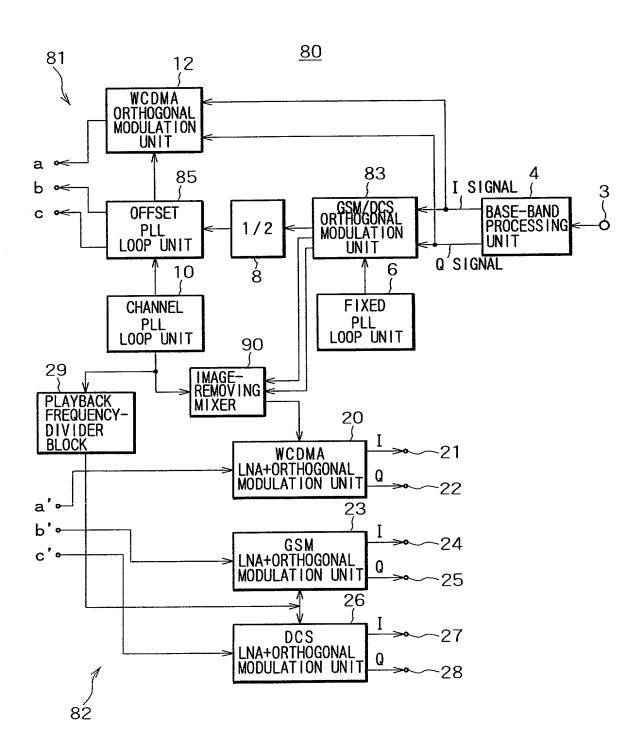


FIG.9



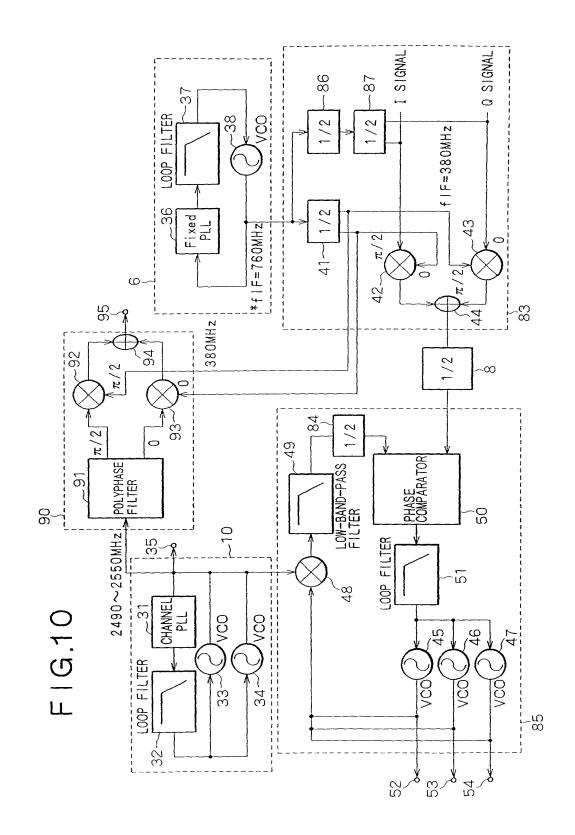
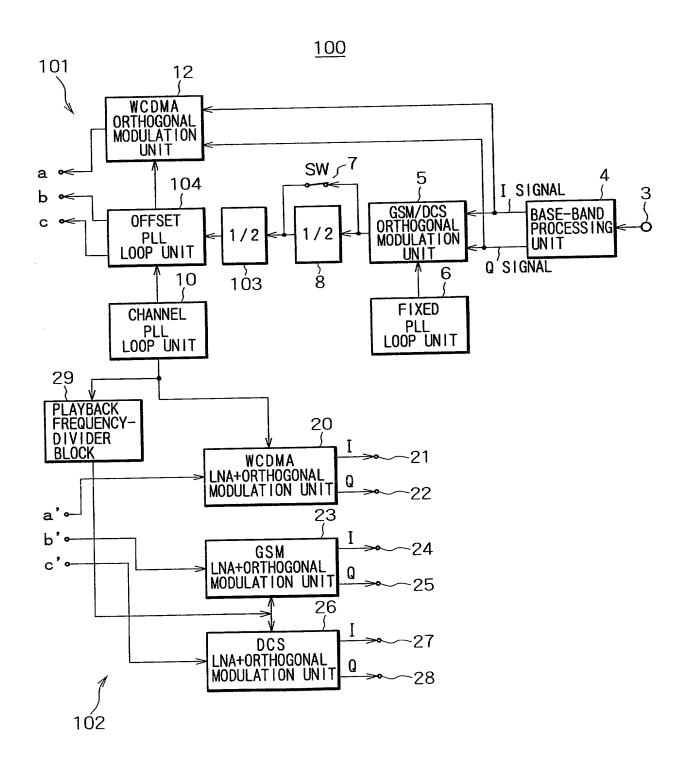


FIG. 11



f1F=380MHz I SIGNAL -O SIGNAL 38 000 LOOP FILTER 1/2 2*f1F=760MHz FIXED PLL 9 2WS -00 103 190MHz (95MHz) 49 PHASE TCOMPARATOR LOW-BAND-PASS FILTER 104 20 32 LOOP FILTER 2 CHANNEL PLL \sim 31 000 000 45 **4**6 LOOP FILTER 33~ 000 23 **8**√ 24 24

-37

F1G.12

FIG. 13

